TR1010

BECKHOFF

Hardware configuration and Troubleshooting

3 Days

- I/O and Bus coupler Diagnostics
  - Terminal Wiring
  - Power Rail
  - K-Bus/E-Bus
  - Grounding
  - Color Codes
  - Replacing Terminals
  - Documentation – Catalog and Information System
  - Bus Coupler LEDs
- Installing TwinCAT
  - Selecting the Correct Build
  - Downloading from the Web
  - Selecting the correct TwinCAT Level
  - Licensing
  - Additional Components
- TwinCAT Overview
  - TwinCAT System Service
  - TwinCAT System Manager
  - TwinCAT PLC Control
- TwinCAT System Manager
  - Menus and Controls
  - System Configuration
  - NC Configuration
  - PLC Configuration
  - IO Configuration
  - Extras
  - Scanning for Hardware
- Using the System Manager as a troubleshooting tool
- Troubleshooting EtherCAT networks

- Connecting PLC Variables to Hardware
  - Creating the *.tpy file
  - Appending the PLC project to the System Manager

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  - Linking the PLC variables to Hardware
  - Simple PLC Program – Connecting inputs and outputs
- Remote Connections

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